

Attorney Docket # 2003B005/2

Listing of the Claims

Claims 1-28 (Cancelled).

29. (Currently amended) A copolymer composition comprising a diene-modified polypropylene random copolymer having propylene units; diene units, derived from 2-methyl-1,5-hexadiene or α , internal, non-conjugated diene monomers; from 0.0 wt% to 2.0 wt% ethylene units; a branching index of less than 1.0; and a heat fusion of 25 J/g or more; and wherein the polypropylene copolymer has a crystallization temperature (T_c) of 110 °C or more.

30. (Original) The copolymer composition of claim 29 in which the diene units derived from α , internal non-conjugated diene monomers are present in the polypropylene copolymer in an amount of from 0.0005 mol% to 10 mol%.

31. (Original) The copolymer composition of claim 29 in which the diene units derived from α , internal non-conjugated diene monomers are present in the polypropylene copolymer in an amount of from 0.005 mol% to 1 mol%.

32. (Previously presented) The copolymer composition of claim 29, in which the α , internal non-conjugated diene monomer is 7-methyl-1,6-octadiene.

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

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39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)

43. (Cancelled)

44. (Previously presented) The polymer composition of claim 29, in which the polypropylene copolymer has a melt flow rate of 0.01 dg/min or more.

45. (Previously presented) The polymer composition of claim 29, in which the polypropylene copolymer has a melt flow rate of 0.1 dg/min or more.

46. (Previously presented) The polymer composition of claim 29, in which the polypropylene copolymer has a melt flow rate of 0.5 dg/min or more.

47. (Previously presented) The polymer composition of claim 29, in which the polypropylene copolymer has a melt flow rate of 0.7 dg/min or more.

48. (Previously presented) The polymer composition of claim 29, in which the polypropylene copolymer has a melt flow rate of 1.0 dg/min or more.

49. (Previously presented) The polymer composition of claim 29, in which the polypropylene copolymer has a melt flow rate of 1.5 dg/min or more.

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50. (Previously presented) The copolymer composition of claim 29 in which the diene units derived from 2-methyl-1,5-hexadiene are present in the polypropylene copolymer in an amount of from 0.0005 mol% to 10 mol%.
51. (Previously presented) The copolymer composition of claim 29 in which the diene units derived from 2-methyl-1,5-hexadiene are present in the polypropylene copolymer in an amount of from 0.005 mol% to 1 mol%.
52. (Currently amended) A copolymer composition comprising a diene-modified polypropylene random copolymer having propylene units; diene units, derived from 2-methyl-1,5-hexadiene or α , internal, non-conjugated diene monomers; from 0.0 wt% to 2.0 wt% ethylene units; and exhibiting a heat fusion of 25 J/g or more and a branching index of less than 1.0; and wherein the polypropylene copolymer has a melting point (T_m) of 165 °C or more.
53. (New) The copolymer composition of claim 52, in which the diene units derived from α , internal non-conjugated diene monomers are present in the polypropylene copolymer in an amount of from 0.0005 mol% to 10 mol%.
54. (New) The copolymer composition of claim 52, in which the diene units derived from α , internal non-conjugated diene monomers are present in the polypropylene copolymer in an amount of from 0.005 mol% to 1 mol%.
55. (New) The copolymer composition of claim 52, in which the α , internal non-conjugated diene monomer is 7-methyl-1,6-octadiene.
56. (New) The polymer composition of claim 52, in which the polypropylene copolymer has a melt flow rate of 0.01 dg/min or more.
57. (New) The polymer composition of claim 52, in which the polypropylene copolymer has a melt flow rate of 0.1 dg/min or more.

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58. (New) The polymer composition of claim 52, in which the polypropylene copolymer has a melt flow rate of 0.5 dg/min or more.
59. (New) The polymer composition of claim 52, in which the polypropylene copolymer has a melt flow rate of 0.7 dg/min or more.
60. (New) The polymer composition of claim 52, in which the polypropylene copolymer has a melt flow rate of 1.0 dg/min or more.
61. (New) The polymer composition of claim 52, in which the polypropylene copolymer has a melt flow rate of 1.5 dg/min or more.
62. (New) The copolymer composition of claim 52, in which the diene units derived from 2-methyl-1,5-hexadiene are present in the polypropylene copolymer in an amount of from 0.0005 mol% to 10 mol%.
63. (New) The copolymer composition of claim 52, in which the diene units derived from 2-methyl-1,5-hexadiene are present in the polypropylene copolymer in an amount of from 0.005 mol% to 1 mol%.

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